

Technical Bulletin

Date: February 4, 2013

Topic: Performance of modified LCD panels versus standard LCD panels.

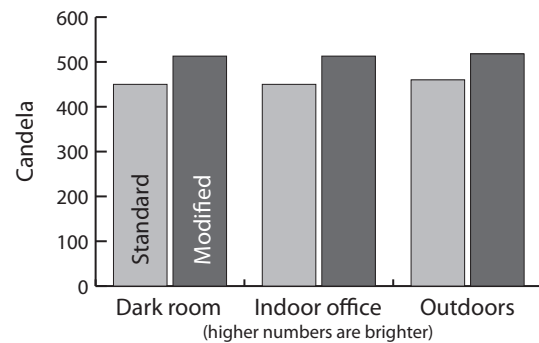
Background: FSN Medical Technologies constantly looks for ways to upgrade its products. We have developed a process, seeking to improve picture quality, and applied it to our LCD displays.

Result: These modified LCD panels show an improvement in contrast ratio and brightness, plus improved humidity resistance and break-age resistance.



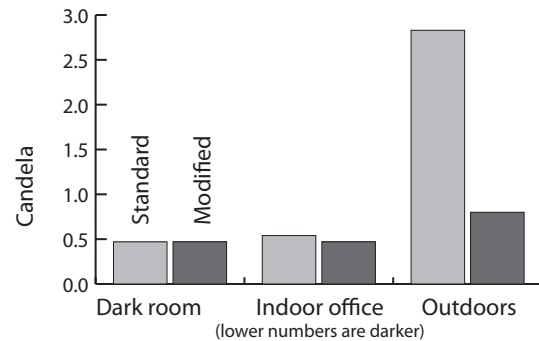
Comparison item: Brightness, white

	Standard LCD (cd/m ²)	Modified LCD (cd/m ²)
Dark room	450	513
Indoor office	450	543
Outdoors	460	518



Comparison item: Brightness, black

	Standard LCD (cd/m ²)	Modified LCD (cd/m ²)
Dark room	0.47	0.47
Indoor office	0.54	0.47
Outdoors	2.83	0.80



Comparison item: Contrast ratio

	Standard LCD (cd/m ²)	Modified LCD (cd/m ²)
Dark room	957.4:1	1091.5:1
Indoor office	833.3:1	1091.5:1
Outdoors	162.54:1	647.50:1

